

## Saturday - October 7

10:00 am – 12:15 am

### Heart

**Fusion of 4D echocardiography and cine cardiac magnetic resonance volumes using a salient spatio-temporal analysis**

Eduardo Romero Castro, Angélica Atehortúa and Mireille Garreau  
Universidad Nacional de Colombia

**Detection of MRI artifacts produced by intrinsic heart motion using a saliency model**

Eduardo Romero Castro, Jennifer Salguero Lopez and Nelson Velasco Toledo  
Universidad Nacional de Colombia

**Acute effect of Vagus nerve stimulation parameters on cardiac chronotropic, inotropic, and dromotropic responses**

David Ojeda, Virginie Le Rolle, Hector Romero Ugalde, Clément Gallet, Jean-Luc Bonnet, Christine Henry, Alain Bel, Philippe Mabo, Guy Carraul and Alfredo I Hernández  
Université de Rennes, France

**Validation of a finite element method framework for cardiac mechanics applications**

David Danan, Virginie Le Rolle, Arnarud Hubert, Elena Galli, Anne Bernard, Erwan Donal and Alfredo Hernández  
Université de Rennes, France

**Automatic diabetic retinopathy classification**

María A Bravo and Pablo A Arbeláez  
Universidad de los Andes, Colombia

**Semantic knowledge for histopathologic image analysis: from ontologies to processing portals and deep learning.**

Yannick L Kergosien and Daniel Racoceanu  
Université de Cergy-Pontoise, Cergy-Pontoise, France. Pontifical Catholic University of Peru

**Combining morphometric features and convolutional networks fusion for glaucoma diagnosis**

Oscar Julian Perdomo Charry and John Arevalo  
Universidad Nacional de Colombia

**Normal human gait patterns in peruvian individuals: an exploratory assessment using VICON® motion capture system**

Miguel Moscoso, Ricardo Dongo, Rocio Callupe, Jessica Pajaya and Dante Elias  
Pontificia Universidad Católica del Perú

**Quantifying Gait Patterns in Parkinson Disease**

Mónica Romero, Angélica Atehortúa and Eduardo Romero Castro  
Universidad Nacional de Colombia

**Quantifying stimulus-response rehabilitation protocols by auditory feedback in Parkinson's Disease gait pattern**

Eduardo Romero Castro, Marcela Iregui, Juan David García Arteaga, Angélica María Atehortúa and Gustavo Pineda  
Universidad Nacional de Colombia

**Cerebral Palsy Characterization by Estimating Ocular Motion**

Eduardo Romero Castro, Angélica Atehortúa, Ricardo Moncayo and Jully González  
Universidad Nacional de Colombia

### Deep Learning and Deep Architectures

### Motion and Gait Analysis